



Level 2 Fire & Emergency Lighting Pathway – Example Questions to assist with the Assessment of Underpinning Knowledge

These example questions are intended to help you prepare for the FESS underpinning knowledge test (Fire & Emergency Lighting Pathway).

For these questions you may need to do some research. They are intended to help you gain the level of knowledge you will need for the online test.

The answers are not provided. You should carry out your own research and discuss suggested answers with colleagues and/or employers as required.

1. Which of these gases is included in the fire triangle model?
 - a) Oxygen
 - b) Hydrogen
 - c) Methane
 - d) Helium

2. What is the maximum acceptable sound pressure in accessible areas?
 - a) 65 db
 - b) 75 db
 - c) 90 db
 - d) 120 db

3. Automatic fire detection should be provided in any area that contains a horizontal void that is more than:
 - a) 500 millimetres or more in height
 - b) 1000 millimetres or more in height
 - c) 800 millimetres or more in height
 - d) 600 millimetres or more in height

4. In escape routes in Category L systems, which type of detector must not be used?
 - a) optical smoke detector
 - b) heat detector
 - c) carbon monoxide detector
 - d) aspirating detector

5. Fire detection and fire alarm systems intended for protection of property are:
 - a) Category L systems
 - b) Category P systems
 - c) Category Y systems
 - d) Category L5 systems

6. The provision of emergency lighting in a public building is ultimately dictated by the:
 - a) Relevant fire safety legislation
 - b) Electricity at Work Regulations
 - c) Data Protection Act
 - d) Reporting of Injuries, Diseases and Dangerous Occurrences Regulations

7. Which British Standard No. is the 'Code of practice for the emergency lighting of premises'?
- a) BS 5839-1
 - b) BS 5266-1
 - c) BS EN 1838
 - d) BS 5839-6
8. Emergency lighting has six (6) modes of operation. The number used to describe the mode of operation for a 'maintained' luminaire is:
- a) 0
 - b) 1
 - c) 2
 - d) 3
9. Which type of emergency luminaire has its emergency lighting lamps energised at all times?
- a) Non-maintained lighting
 - b) Satellite lighting
 - c) Maintained lighting
 - d) Terrestrial lighting
10. Emergency escape lighting is required to have a minimum duration of at least:
- a) 30 minutes
 - b) 1 hour
 - c) 2 hours
 - d) 4 hours

ADDITIONAL PRACTICE / STUDY HELP

For these additional questions you may need to do some further research as they do not contain suggested answers. They are intended to help you gain the level of knowledge you will need for the online test.

Please note the actual online test during your assessment is completely multiple choice. You will not be presented with the style of question you find below.

11. Ultraviolet flame detectors should not be used as the sole means of fire detection in which areas?
12. Automatic transmission for a category P system is?
13. Where the sound pressure level of background noise is greater than 60 dB(A), the sound pressure level of the fire alarm signal is required to be above the sound pressure level of the background noise by?
14. Visual alarm signals should be provided in areas where hearing protection is likely to be used under normal circumstances or where the ambient noise level exceeds?
15. Where manual call points (MCPs) are viewed from the side (e.g. corridors), they should be surface mounted or semi-recessed with the front face proud of the mounting surface by at least?
16. When premises are 'occupied', the phrase used to describe this in BS 5266-1 is referred to as?
17. The member of premises management responsible for supervising the fire detection and alarm system should be given sufficient authority to ensure that a clear space of at least 500 millimetres is preserved in all directions around and below every what detector?
18. Emergency escape lighting should be provided near all 'points of emphasis'. The horizontal distance that is normally considered to be 'near' is:
19. Escape route signs should be coloured?
20. When the supply to the local lighting fails, what is the recommended minimum lux level to illuminate a fire alarm panel?